

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	96	needle adj valve adj nozzle	USPAT	OR	OFF	2006/02/06 11:18
S2	822	425/549,564.ccls.	USPAT	OR	OFF	2005/04/27 08:50
S3	822	425/549,564.ccls.	USPAT	OR	OFF	2005/04/25 16:35
S4	113	S3 and (steel and titanium)	USPAT	OR	OFF	2005/04/25 14:50
S5	469	S3 and gate	USPAT	OR	OFF	2005/04/25 16:35
S6	59	("2865050" "3488810" "3716318" "3952927" "4004871" "4010903" "4043740" "4306852" "4368028" "4412807" "4652230" "4768283" "4768945" "4875848" "4911636" "4925384" "4981431" "5015170" "5028227" "5067893" "5208052" "5254305" "5299928" "5334008" "5443381" "5492467" "5501594" "5505613" "5545028" "5554395" "5652003" "5658604" "5674439" "5686122" "5695793" "5700499" "5707667" "5804228" "5811140" "5834041" "5848343" "5849343" "5879727" "5885628" "5895669" "5941637" "6003182" "6009616" "6017209" "6089468" "6135757" "6164954" "6227461" "6245278" "6264460" "6358039" "6419116").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/26 09:14
S7	822	425/549,564.ccls.	USPAT	OR	OFF	2005/04/26 12:43
S8	7	S7 and (needle adj valve adj nozzle)	USPAT	OR	OFF	2005/04/26 12:43
S9	1097	425/549,564.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/27 09:05
S10	147	S9 and (steel and titanium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/27 08:51
S11	16	("5139724").URPN.	USPAT	OR	OFF	2005/04/27 09:20
S12	34	("5674439").URPN.	USPAT	OR	OFF	2005/04/27 09:23

EAST Search History

S13	60	("3580286" "3598804" "3698640" "3797086" "3797984" "3819312" "3945353" "4034952" "4059375" "4116266" "4121740" "4125352" "4170262" "4196855" "4212627" "4260359" "4273525" "4299791" "4389002" "4416608" "4497621" "4500279" "4609341" "4664151" "4666396" "4689002" "4708633" "4768559" "4771164" "4826416" "4923387" "4954072" "4980111" "5002480" "5017127" "5028227" "5051086" "5162125" "5200208" "5232711" "5328352" "5374178" "5411392" "5427519" "5492467" "5545028" "5554395" "5607992" "5639490" "5645219" "5652003" "5658604" "5674439" "5695793" "5704113" "5705202" "5707664" "5716651" "6116884").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:31
S14	5	("5492467" "5674439" "5879727" "6302680" "6769901").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:35
S15	41	("20030118688" "20030180412" "4013393" "4043740" "4053271" "4173448" "4268240" "4268241" "4279588" "4286941" "4662837" "4950154" "5208052" "5299928" "5324191" "5421716" "5443381" "5474439" "5492467" "5545028" "5554395" "5658604" "5674439" "5736171" "5795599" "5820899" "5879727" "5885628" "5894025" "5925386" "5980237" "6022210" "6030202" "6164954" "6245278" "6254377" "6261084" "6264460" "6287107" "6394785" "6428305").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:36

EAST Search History

S16	41	("20030118688" "20030180412" "4013393" "4043740" "4053271" "4173448" "4268240" "4268241" "4279588" "4286941" "4662837" "4950154" "5208052" "5299928" "5324191" "5421716" "5443381" "5474439" "5492467" "5545028" "5554395" "5658604" "5674439" "5736171" "5795599" "5820899" "5879727" "5885628" "5894025" "5925386" "5980237" "6022210" "6030202" "6164954" "6245278" "6254377" "6261084" "6264460" "6287107" "6394785" "6428305").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:37
S17	468	425/548	USPAT	OR	OFF	2005/08/18 16:18
S18	796	425/549	USPAT	OR	OFF	2005/08/18 16:45
S19	244	S17 not S18	USPAT	OR	OFF	2005/08/18 16:19
S20	244	S17 not S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/18 16:19
S22	572	S18 not S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/18 16:45
S23	468	425/548	USPAT	OR	OFF	2005/08/19 09:55
S24	796	425/549	USPAT	OR	OFF	2005/08/19 09:55
S25	572	S24 not S23	USPAT	OR	OFF	2005/08/19 09:55
S26	4	("5582851" "5614233" "6045742" "6050806").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/19 10:18
S27	2	"425"/\$.ccls. and (nozzle adj tip) with (axially adj slidabl\$)	USPAT	OR	OFF	2005/08/19 16:20
S28	2	"425"/\$.ccls. and ((nozzle adj tip) with (axially adj slidabl\$))	USPAT	OR	OFF	2005/08/19 16:45
S29	417	"425"/\$.ccls. and (nozzle adj tip)	USPAT	OR	OFF	2005/08/19 16:46
S30	0	"425"/\$.ccls. and ((nozzle adj tip) near (slides or slidable or slidably))	USPAT	OR	OFF	2005/08/19 16:46
S31	15	"425"/\$.ccls. and ((nozzle adj tip) with (slides or slidable or slidably))	USPAT	OR	OFF	2005/08/19 16:46



EAST Search History

S32	413	425/564.ccls.	USPAT	OR	OFF	2005/08/22 10:15
S33	634	425/564	USPAT	OR	OFF	2005/08/22 10:15
S34	708	425/564	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:26
S35	151	425/571	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 11:16
S36	91	S35 not S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/22 11:16
S37	393	425/564 and ((nozzle adj tip) and (slidably adj fitted) or (axially adj slidably))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:16
S38	1	425/564 and ((nozzle adj tip) near ((slidably adj fitted) or (axially adj slidably)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:17
S39	0	425/564 and ((nozzle adj tip) near ((slidably adj fitted) or (axially adj slidably)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:17
S40	0	425/564 and ((nozzle adj tip) near ((slidably adj fitted) or (axially adj slidabl\$)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:17
S41	0	425/562-564 and ((nozzle adj tip) near ((slidably adj fitted) or (axially adj slidabl\$)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:18

EAST Search History

S42	0	425/562-564 and ((nozzle adj tip) near (slidably adj fitted))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:18
S43	0	425/562-564 and ((nozzle adj tip) near ((slidably adj fitted) or slidable))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:18
S44	0	425/564 and ((nozzle adj tip) near ((slidably adj fitted) or slidable))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:18
S45	0	"425"/\$.ccls. and ((nozzle adj tip) near ((slidably adj fitted) or slidable))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:18
S46	155	425/564 and (nozzle adj tip)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:28
S47	0	425/564 and ((nozzle adj tip) near (slides or slidable or slidably))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:29
S48	5	425/564 and ((nozzle adj tip) with (slides or slidable or slidably))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 15:29
S49	472	425/548	USPAT	OR	OFF	2006/02/05 14:30
S50	23	425/548 and needle	USPAT	OR	OFF	2006/02/05 14:30
S51	11	425/548.ccls. and needle	USPAT	OR	OFF	2006/02/05 14:30
S52	397	425/548.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:40

EAST Search History

S53	714	425/549.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:18
S54	619	425/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:18
S55	73	425/571.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:19
S56	325	S52 not (S53 or S54 or S55)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:19
S57	549	S53 not (S52 or S54 or S55)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:19
S58	503	S54 not (S52 or S53 or S55)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 14:43
S59	53	S55 not (S52 or S53 or S54)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:19
S60	643	425/562.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 14:46
S61	506	S60 not (S52 or S53 or S54 or S55)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 11:40
S62	4	("4932858" "5078589" "5141696" "5470219").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 11:44

EAST Search History

S63	6	("3295169" "3398436" "3918870" "4286941").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 11:46
S64	3	("4088271").URPN.	USPAT	OR	OFF	2006/02/06 12:08
S65	16	("4053271").URPN.	USPAT	OR	OFF	2006/02/06 12:09
S66	26	("3488810" "3806295" "3912133" "3915358" "4013393" "4026518" "4053271" "4222733" "4272236" "4286941" "4712995" "4793795" "4810184" "4917593" "4917594" "4919606" "5067893" "5223275" "5387099" "5902614" "5916605" "5942257" "5948450" "5984661" "6086357").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 12:10
S67	7	("3915358" "4076485" "4212626" "4286941" "4289468" "4919606" "5208046").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 13:15
S68	26	("4286941").URPN.	USPAT	OR	OFF	2006/02/06 13:12
S69	42	"4043740"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 13:16
S70	104	425/562.ccls. and steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 13:20
S71	2	("4043740" "4212627").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 13:59
S72	8	("2878515" "3037245" "3231938" "3677682" "4004871").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/06 13:59
S73	26	("4286941").URPN.	USPAT	OR	OFF	2006/02/06 14:00
S74	62	425/562.ccls. and (nozzle adj (tip or seal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/06 14:47
S75	10	("4923387").URPN.	USPAT	OR	OFF	2006/02/06 15:03
S76	14	("3477097" "3923209" "4238671" "4301775" "4648546" "4887557" "5096411" "5366369" "5496168" "5762976" "6149423" "6230384" "6419476" "6460598").PN.	USPAT	OR	OFF	2006/02/05 16:06

EAST Search History

S77	232	425/570.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 16:06
S78	62	425/571.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 16:06
S79	645	425/572.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 16:06
S80	127	S77 not (S78 or S79)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 16:08
S81	49	S78 not (S77 or S79)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 16:06
S82	547	S79 not (S77 or S77)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 16:07
S83	544	S79 not (S77 or S78)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 16:07
S84	4	("3724095" "5150636" "5267384" "5366369").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 16:08
S85	11	("5366369").URPN.	USPAT	OR	OFF	2006/06/05 16:19
S86	3	("5720995").URPN.	USPAT	OR	OFF	2006/06/05 16:22
S87	3	("5792493").URPN.	USPAT	OR	OFF	2006/06/05 16:23
S88	2	("6264459").URPN.	USPAT	OR	OFF	2006/06/05 16:23
S89	2	("4761343" "5720995").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/05 16:26
S90	14	("3849048").URPN.	USPAT	OR	OFF	2006/06/05 16:32
S91	9	("5518393").URPN.	USPAT	OR	OFF	2006/06/05 16:35
S92	14	("3477097" "3923209" "4238671" " 4301775" "4648546" "4887557" "50 96411" "5366369" "5496168" "5762 976" "6149423" "6230384" "641947 6" "6460598").PN.	USPAT	OR	OFF	2006/07/13 14:32
S93	7	("3923209").URPN.	USPAT	OR	OFF	2006/07/13 14:40

EAST Search History

S94	16	"425"/\$.ccls. and (cast adj block)	USPAT	OR	OFF	2006/07/13 16:42
S95	16	"425"/\$.ccls. and ("cast block")	USPAT	OR	OFF	2006/07/13 16:42
S96	17	("4932858").URPN.	USPAT	OR	OFF	2006/07/13 16:51
S97	234	425/570.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/13 16:51
S98	567	425/562.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:37
S99	583	425/564.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:37
S100	41	425/565.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:37
S101	245	425/566.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:37
S102	299	425/567.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:37
S103	424	S98 not (S99 or S100 or S101 or S102)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:38
S104	356	S99 not (S98 or S100 or S101 or S102)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:47
S105	36	S100 not (S98 or S99 or S101 or S102)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:37
S106	96	S101 not (S98 or S99 or S100 or S102)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:37
S107	275	S102 not (S98 or S99 or S100 or S101)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 10:38



EAST Search History

S10 8	15	("5022846").URPN.	USPAT	OR	OFF	2006/07/14 15:04
S10 9	647	425/572.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 15:05
S11 0	588	264/328.12.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 15:05
S11 1	1202	264/328.8.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 15:05
S11 2	446	S109 not (S110 or S111)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 15:05
S11 3	422	S110 not (S109 or S111)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 15:28
S11 4	882	S111 not (S109 or S110)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/14 15:49
S11 5	27	("4609138").URPN.	USPAT	OR	OFF	2006/07/14 15:22
S11 6	30	Tooman	USPAT	OR	OFF	2006/07/14 15:22
S11 7	2	("5295806").URPN.	USPAT	OR	OFF	2006/07/14 15:25
S11 8	33	("4124308").URPN.	USPAT	OR	OFF	2006/07/14 15:45
S11 9	88	425/572.ccls. and (copper)	USPAT	OR	OFF	2006/07/17 11:30